

News Letter

SOCIETY OF AMERICAN BACTERIOLOGISTS

OFFICE OF THE
SECRETARY-TREASURER

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1950 OFFICERS AND COUNCILORS

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(E. H. Lennette, Berkeley, Calif. --- U.S.A. representative, Rio Branch)
O. S. McClesky, Baton Rouge, La. --- South Central
W. O. Burkhart, Athens, Ga. --- Southeastern
Orville Wyss, Austin, Texas --- Texas
F. S. Orcutt, Blacksburg, Va. --- Virginia
Ruth E. Gordon, Beltsville, Md. --- Washington, D. C.

Invited Members (Non-Voting):

The Editors-in-Chief of BACTERIOLOGICAL REVIEWS and THE JOURNAL
of BACTERIOLOGY, and the Chairman of the Program Committee

Council Policy Committee

Barnett Cohen, Chairman
J. E. Blair, Secretary
W. McD. Hammon
W. J. Nungester

J. M. Sherman
N. R. Smith (1950)
H. J. Shaughnessy (1951)
Martin Frobisher, Jr. (1952)

THE GOLDEN JUBILEE MEETING

The Golden Jubilee Meeting, the 50th General Meeting of the Society, was held on May 14 to 18 in Baltimore. The scientific program was of high quality, attracting a large attendance at the several scientific sessions and symposia. At a Public Lecture on May 14 an address on fundamental scientific research was given by Dr. Detlev W. Bronk, President of the Johns Hopkins University. On May 18 Dr. C.-E. A. Winslow presented the Welch-Nevy-Russell Lecture, a stimulating summary of the leaders and landmarks in microbiology.

The Golden Jubilee Meeting was the largest in the history of the Society, a total of 1927 persons being registered. It is of interest that about 50 per cent of all the active members of the Society attended the meetings. Sincere thanks are due to the Program Committee under the chairmanship of Dr. J. Roger Porter, and to Dr. Roger D. Reid and his efficient Local Committee on Arrangements, for the success of the meeting was due in large degree to the work of these Committees.

The Memento. As a contribution to the Golden Jubilee the Williams and Wilkins Company and Waverly Press, Inc. presented to the members of the Society "Chronicles of the Society of American Bacteriologists, 1899-1950". The Chronicles were prepared by Dr. Barnett Cohen, our President and Archivist, and in addition the volume contains photographs of all of the Presidents of the Society. A sufficient number was printed to provide a copy for every member of the Society and the Memento was available to all who attended the Golden Jubilee Meeting. Copies now are being mailed by the Williams and Wilkins Company to the members who were unable to be present and to those who for various reasons did not pick up their copy at the meeting. Every effort has been made to provide Williams and Wilkins with an accurate mailing list for this purpose. Should any name have been omitted from the list inadvertently, we shall endeavor to supply a copy upon application to the Secretary-Treasurer. Please, however, allow a reasonable time for delivery to elapse before reporting nonreceipt of your copy. Through the generosity of the publisher and printer there is no charge for the Memento.

Business transacted. The following actions were taken at the 50th General Meeting.

1. An amendment to Article XII of the Constitution was accepted, providing that changes in the By-Laws, when approved by the Council, shall become operative if and when confirmed by a majority vote at a business session of the annual meeting of the Society, due publicity to the issue being given 24 hours prior to the business session. In accordance with the Constitution, this amendment will be placed on the ballot in the Fall for confirmation by the membership.
2. The Society accepted the responsibility of administering a new award in the field of antibiotics which has been established by Commercial Solvents Corporation, and the President was authorized to appoint an award committee of three. The award is described in more detail below.
3. A report of the Committee on Investigation of the Relations Between the Society and Williams and Wilkins was accepted. Authorization was given to proceed to carry out certain recommendations of the Committee, specifically the preparation of a new contract between the Society and the Publisher and a study of the manufacturing costs of the Journals. Both projects are now under way.
4. Membership of the Society in the American Institute of Biological Sciences was continued for another year, with the provision that this affiliation shall be subject to annual review. This action was taken only after careful deliberation. An important deciding factor was the temper of the times which requires the type of representation in Washington which can be supplied by the Institute.
5. The Secretary-Treasurer was authorized to proceed with the printing of a new edition of the membership Directory and Constitution.

6. The Secretary-Treasurer was authorized to reorganize the business office of the Society to include an executive assistant and a stenographer-typist, action which has been made necessary by the increasing routine work of the office. Preliminary steps have been taken and it is expected that reorganization will be completed in the near future.

THE 1950 ELI LILLY AND COMPANY AWARD

The Lilly Award was presented at the annual banquet to Dr. Roger Y. Stanier, Associate Professor of Bacteriology at the University of California, Berkeley. Following is the citation:

"Dr. Roger Yate Stanier was born in Victoria, British Columbia, and took his undergraduate work in bacteriology at the University of British Columbia where he graduated in 1936, and most of his subsequent career has been in the United States. His Ph.D. in Microbiology was obtained at Stanford University in 1942. During the war (1942-45) he was back in his native country as a member of the staff of the National Research Council at Ottawa; and in 1945-46 he was in England as a Guggenheim Memorial Fellow, spending his time in research, partly at Cambridge and partly at Rothamsted. In 1946-47 he was Assistant Professor of Bacteriology at Indiana University. Since then he has been at the University of California in Berkeley, where he is now Associate Professor of Bacteriology.

"His special interests have been in the field of bacterial physiology and metabolism. His contributions, represented by some twenty scientific papers, are too numerous to mention in a brief citation, but the following should be mentioned.

- 1) His taxonomic work on the Myxobacterales, which led to his collaboration with Dr. Van Niel in a paper (1941) outlining some suggestions as to bacterial classification.
- 2) His contributions to our knowledge of the physiology of the agar and cellulose decomposing bacteria.
- 3) His studies on butanediol fermentation.
- 4) His contributions to the knowledge of the mode of degradation of aromatic compounds, a study which led him to propose a new technique which he calls the method of 'simultaneous adaptation'. The principle involved has received considerable attention among students of bacterial metabolism during the three years since its proposal.

"All this work is plainly of fundamental importance; and on the basis of his contributions in these and other fields, the Eli Lilly and Company Award for 1950 is hereby granted to Dr. Roger Yate Stanier".

REPORT OF THE NOMINATING COMMITTEE

The Nominating Committee has nominated the following members of the Society for office in 1951. One candidate is to be elected to the office of Vice-President, and two as Counsellors-at-Large. Ballots will be mailed in the Fall. Biographical data are adapted from "American Men of Science".

For President

PROF. WALTER J. NUNGESTER, University of Michigan Medical School, Ann Arbor, Mich. Bacteriology. Lima, Ohio, Feb. 22, 01. B.S., Michigan, 23, M.S., 24, Sc.D., 28, M.D., 34. Instr. bact. med. sch., Northwestern, 28-33, asst. prof., 33-35; assoc. prof., med. sch., Michigan, 35-47; prof., 47- Consultant, U.S.A.; Office Sci. Res. & Develop.; U.S.N.; U.S. P.H.S. A.A.; S.A.B. (vice-pres., 1950); Sec. Exp. Biol.; Asn. Path. and Bact. Bacterial variation, metabolism and virulence; experimental pneumonia; immunology, disinfectants; resistance to infection.

For Vice-President

DR. RENE J. DUBOS, Rockefeller Institute, New York, N.Y. Pathology. St.-Brice, France, Feb. 21, 01. B.S. Inst. nat. agronomique, Paris, 22; Ph.D. Rutgers, 27; Sc.D. Rochester, 41; M.D. Liege, 47; Sc.D. Harvard. Res. asst. soil microbiol. N.J.Exp.Sta, 24-27; asst, Rockefeller Inst, 27-29, assoc, 29-38, assoc. mem, 38-41, mem, 41-42; George Fabyan Prof. Comp. Path. and Prof. Trop. Med, Harvard med. sch, 42-; mem, Rockefeller Inst, 44- John Philips Mem. award, Am. Col.Phys, 40; Mead Johnson award, Am. Acad. Pediat, 40; Lasker award, 48. Nat. Acad; S.A.B. Cellulose decomposition by aerobic bacteria, oxidations and reductions in bacterial cultures; decomposition of capsular polysaccharides of pneumococcus by bacterial enzymes and their use in the study of infections; use of specific bacterial enzymes in biochemistry; antibacterial agents of biological origin; bacterial toxins; bacillary dysentery; tuberculosis.

DR. WILLIAM C. FRAZIER, University of Wisconsin, Madison, Wis. Bacteriology. Madison, Wis, Sept. 26, 95. B.S. Wisconsin, 17, Ph.D, 25. Instr, Wisconsin, 19-24; assoc. bacteriologist and sr. bacteriologist, bur. dairy indust, U.S.Dept.Agr, 24-34; prof. agr. bact. and chairman dept, Wisconsin, 34- A.A; S.A.B. (council, 39; sec-treas, 44); Inst. Food Tech; Dairy Sci. Asn; Wis. Acad; assoc. Int. Asn. Milk and Food Sanitarians. Microbiology of milk, cheese, 'starter bacteria', dissociation, antibiotics; penicillin; food yeast; alcoholic fermentation; 2,3 butylene glycol production; mastitis; Bang's disease; flat sour bacteria.

For Secretary-Treasurer

DR. JOHN E. BLAIR, Hospital for Joint Diseases, New York, N.Y. Bacteriology. Monroe, Maine, May 30, 99. A.B. Clark, 20; M.S. Brown 21, Arnold Fellow, 22-23, Ph.D, 23. Instr. biol, Brown 21-22; instr. bact, Stanford, 23-26, bacteriologist, Hosp. for Joint Dis, 27- A.A; S.A.B. (sec-treas, 49-); Soc. Exp. Biol; assoc.fel, N.Y.Acad.Med. Bacteriophage; tuberculosis; arthritis, staphylococci; staphylococcal infections.

For Councilor-at-Large

DR. HOWARD L. BODILY, California State Dept. of Pub. Health, University of California, Berkeley, Calif. Bacteriology. Whitney, Idaho, Nov. 21, 11. B.S. Idaho, 35; res. fellow, Iowa State Coll, 35-36, M.S, 36; Ph.D. Colorado, 38; California, 45-46. Asst. bacter. med. sch, Colorado, 36-38; instr, Maryland, 38-41; assoc. bacteriologist, U.S.P.H.S, Calif, 41-44; asst. chief, Div. Labs, Calif. State Dept. Pub. Health, 44- Fel. Pub. Health Asn; S.A.B. Soil Microbiology; virus and rickettsial diseases; public health bacteriology.

DR. JOHN H. HANKS, Harvard Medical School, Boston, Mass. Bacteriology, Immunology. Fowlerton, Indiana, Sept. 16, 06. B.S. Allegheny, 28; Ph.D, Yale, 31. Asst. biol, Allegheny, 27-28; bacter, Yale, 30-31; fellow, Harvard, and nat. res. fellow, 31-32; asst. prof. bact, med. sch, George Washington, 32-39; bacteriologist, Leonard Wood Mem. Found, P.I, 39-45; Harvard med. sch, 46- Hopkins Hosp, 45-46. Consultant, U.S.P.H.S; S.A.B; Asn. Immunol; Soc. Exp. Biol; Int. Leprosy Asn. Bacteriological investigations in leprosy and study of tissue cultures; mechanisms of tuberculin type of allergy, precipitin tests with small amounts of immune serum.

PROF. HERMAN O. LICHSTEIN, University of Tennessee, Knoxville, Tenn. Bacteriology. New York, N.Y, Jan. 14, 18. A.B. N.Y.Univ, 39; M.S.P.H, Michigan, 40, Sc.D, 45. Asst. bact, Michigan, 40-43; instr, Wisconsin, 43-46; nat. res. fellow, Cornell, 46-47; assoc. prof, Tennessee, 47-48, prof, 48- Consultant, Carbide & Carbon Chem. Corp, Oak Ridge Nat. Lab, 48- A.A; S.A.B; Soc. Exp. Biol. Bacterial physiology and metabolism.

PROF. CHARLES A. STUART, Brown University, Providence, R.I. Biology. Lyon Mountain, N.Y, May 26, 93. Ph.B, Brown, 19, M.S, 21, Ph.D, 23. Instr. bact, Brown, 23-25, asst. prof, 25-31, assoc. prof, 31-44, prof, 44- Lecturer, R.I.Hosp, 25-45; consulting bacteriologist, Charles V. Chapin Hosp. Chairman, State Bd, Basic Sci. Examiners, R.I; mem. Enterobacteriaceae sub.com, Nomenclature Com, Int. Congr.Microbiol. A.A; S.A.B; fel.Pub.Health Asn; Asn. Immunol; Soc. Exp. Biol. Physiology and immunological relationships of the Enterobacteriaceae.

The Commercial Solvents Corporation and the Society of American Bacteriologists announce the establishment of an annual award for outstanding research in the field of antibiotics. The award will take the form of one thousand dollars and a bronze medal, and will be given to an individual or a group of individuals engaged in research on antibiotics and resident in the Western Hemisphere. In selecting the winner of the award, particular attention will be given to the basic nature of the research and its contribution to fundamental knowledge about the antibiotics. This will include the discovery of antibiotic agents, their isolation, their identification, synthesis, mode of action, or role in the development or selection of resistant microorganisms. Work relating solely to the pharmacology or clinical efficiency will not be considered within the scope of the present award.

The award will be administered by the Society of American Bacteriologists, the recipient of the award being selected by a committee appointed by the President of the Society. The Committee solicits nominations of candidates for the award. Nominations may be made by any member, and a member may nominate himself. The nomination should include a brief description of the candidate's work in the field of antibiotics, with references to published papers. It is expected that the first award will be made at the annual meeting of the Society of American Bacteriologists in Chicago in May, 1951.

Nominations are to be sent to the Secretary-Treasurer of the Society of American Bacteriologists, and should be in his hands not later than February 1, 1951.

CERTIFICATION OF MICROBIOLOGISTS

Early in 1949 the Committee on Classification and Problems of Personnel was charged with the important task of working out a plan of certification of professional microbiologists. The magnitude of the problem has required thorough exploration and detailed discussion, and the Committee has been active for more than a year gathering pertinent information. Throughout its discussions the Committee has kept in mind the broad, ultimate objective of certification in all fields of microbiology. An immediate, urgent objective is the certification of medical microbiologists and to this end the first steps in planning have been taken. Based upon the experience acquired in this field and as the demand arises, certification in other fields of microbiology will be added as a natural extension of the work of the Committee.

Definite progress looking toward certification was made at a meeting of the Committee in Baltimore. By direction of the Committee the chairman, Dr. S. R. Damon, appointed a special sub-committee to outline a program for organizing a parent body which will sponsor a specialty board for certification of medical microbiologists; specialty boards in other fields of microbiology will be established as the need arises. The sub-committee consists of Drs. Thomas Francis, Jr. (Chairman), Geoffrey Edsall, W. McD. Hammon, E. H. Lennette, W. J. Nungester, H. J. Shaughnessy, J. T. Syverton and T. B. Turner.

The broad purpose of the program is to define and improve the professional status of microbiologists. Its immediate objectives are: to improve and safeguard the practice of applied medical microbiology; to establish standards of qualification of persons as specialists in medical microbiology; to explore the possibility of establishing a specialty board to certify persons who comply with these standards; and to establish an organization, the American Institute for Microbiologists, which can serve as the sponsor for a specialty board for certification by the American Medical Association and for such other boards as are requested and seem desirable. Since these boards should represent the S.A.B. and other closely related microbiological societies, the immediate approach to the problem will be to consult with representatives of allied organizations in the field of microbiology, as well as with representatives of the established boards for certification. Upon recommendation of the Council Policy Committee, the Council has authorized a grant of \$1000 to expedite the plan by providing funds which are required for the necessary meetings and conferences.

EMPLOYMENT SERVICE ACTIVITY

Dr. Carl S. Pederson has sent the following communication concerning the Society's Employment Service.

"During the annual meeting at Baltimore the office of the Employment Service showed more than the usual amount of activity. Sixty-three new young bacteriologists were registered. These included both men and women with Doctors, Masters and Bachelors degrees. These young people are well trained individuals, and include some of the best students in bacteriology from our colleges and universities.

"A number of interviews were arranged between employers and applicants. In general, the employers expressed considerable interest in the character and training of the applicants interviewed. Within the next few months many of these applicants will be placed by one means or another, many by interviews at their respective schools. Records of these applicants will be sent to employers upon request.

"Employers will assist the director of the service considerably if they will give greater detail than given by them in the past as to the training and academic degrees desired and salary scale that may be offered. There are now about 150 applicants on file, and although they are classified in the files, classification is of little value unless specified needs are known".

NATIONAL RESEARCH COUNCIL - DIVISION OF BIOLOGY AND AGRICULTURE

The annual meeting of the Division of Biology and Agriculture of the National Research Council, on May 9, 1950, was attended by Dr. Perry W. Wilson, the Society's representative, from whose report the following items are taken. A detailed summary, with illustrative examples, of the many activities of the Council was presented by Dr. D. W. Bronk, these activities including: procurement and distribution of funds for research; administration of the training program; advice to government and other agencies, particularly in providing liaison between scientists and the government; organization of committees and conferences that cut across several scientific disciplines. Reports of the boards and committees of the Division included: a report of the committee on public health aspects of brucellosis (recently published in the Journal of the American Medical Association); a report of the A.I.B.S. which closely followed the summary recently sent to members of the Society; a survey of the research on food and nutrition being conducted in the United States by academic, governmental and industrial laboratories - to be published in monograph form; a report of the activities of the NRC Committee on the A.T.C.C.; a proposed reorganization on a broad basis of the committee on genetics of pathogenic organisms; the biological effects of different types of radiation (high energy, UV and visible), three volumes concerning these effects being in preparation; a general discussion of the administration of the Fulbright program of graduate study, teaching and research abroad (copies of an article by Charles E. Odgaard describing the operation of the program may be obtained from the Superintendent of Documents, Washington, D.C.).

APPOINTMENTS

Dr. Cohen has appointed Dr. Nathan R. Smith delegate from the Society to the American Institute of Biological Sciences, succeeding Dr. Leland W. Parr whose term expired on June 30, 1950.

Dr. Cohen also has appointed Dr. Carl Lamanna representative of the Society to the American Type Culture Collection, to fill a vacancy resulting from the resignation of Dr. L. A. Rogers.

At the request of the NRC Committee on the American Type Culture Collection, an Advisory Committee to consult with the A.T.C.C. on technical problems relating to the cultures has been appointed. The Committee is composed of Drs. Harriette Vera (Chairman), Maxwell L. Littman, James L. Roberts, Mathilde Soloway and Ralph P. Tittler.

MARJORY STEPHENSON MEMORIAL FUND

The Society for General Microbiology has initiated a memorial fund in honor of the late Dr. Marjory Stephenson, outstanding English biochemist and pioneer in the field of bacterial metabolism, second President of the Society for General Microbiology, and Fellow of the Royal Society. It is expected that the memorial will take the form of a lecture to be given at stated intervals and to be known as the Marjory Stephenson Memorial Lecture. A goal of one thousand pounds has been set, of which about six hundred pounds in pledges and contributions have been collected.

Upon the recommendation of American members of the Society, the Treasurer of the Society for General Microbiology, Dr. H. J. Bunker, has written to suggest that it is very probable that there are a number of members of the Society of American Bacteriologists who would be glad of the opportunity of subscribing to the Memorial Fund. This is particularly appropriate, for it will be recalled that Dr. Stephenson was a member of our Society. At the request of Dr. Bunker, Dr. Perry W. Wilson has agreed to serve as the American representative to receive contributions to the Fund from American sources. Contributions should be sent to: Dr. Perry W. Wilson, Dept. of Agricultural Bacteriology, University of Wisconsin, Madison 6, Wisconsin.

THE DIRECTORY

Data cards have been sent to all active members of the Society in preparation for the publication of a new edition of the Directory and Constitution in the Fall of this year. It is gratifying to report that slightly more than one-half of all the cards were returned within the first three weeks after mailing. We trust that this forecasts a full return in the near future so that the task of compiling the information can be started in September. A new feature of the Directory is the addition of certain professional data, which is being included at a suggestion received from several sources and which it is hoped will add to the value of the Directory.

NOTES

A recent compilation of the lantern slides available for rental or sale by the Committee on Materials for Visual Instruction in Microbiology is included with this issue of the News Letter. All communications concerning the material should be addressed to the Chairman of the Committee: Dr. Harry E. Morton, Dept. of Bacteriology, School of Medicine, University of Pennsylvania, Philadelphia 4, Pa.

Members of the Society will have noted in the lay press and in scientific journals that the bill establishing the National Science Foundation was signed by President Truman on May 9, 1950. The objective having been attained for which it was organized, the Interscience Committee, on which the Society was represented by Drs. Stuart Mudd and Leland W. Parr, has been dissolved.

Dr. Otto Rahn has submitted to this office a lengthy statement of the present location of some 93 German scientists working in microbiology and related fields. Space does not permit a reproduction of the list; however, it will be kept on file for reference in the event that members wish to write to this office for information about specific individuals. About a dozen of the German journals of microbiology and related subjects are again being published. They include: Arch.f.Mikrobiol; Der Öffent. Gesundheitsdienst; Städtehygiene; Zeit.f.Hyg.u. Infekt; Zeit.f.Immun.u. exp.Therap; Zeit.f.Parasit; Zeit.f.Sozialhygiene; Zeit.f.Tropenmed. u.Parasit; Zent.f.Bakt., Parasit, Infekt.u.Hyg; Med-Hyg.Bakt.Virusforsch.u.Parasit., I Abt, Orig. and Ref; Zent.f.Bakt., II Abt.

When moving recently from Utrecht to Geneva, Dr. W. Aeg. Timmerman, Director of the World Health Organization, lost a collection, gathered over the past 30 years, when a van transporting them was burned. Dr. Frederick Kavanaugh, of the New York Botanical Garden, suggests that Dr. Timmermann would appreciate receiving any books or reprints, especially on immunity, antitoxins and vaccines, B.C.G. and tuberculin, antibiotics, and laboratory

techniques of diagnostic bacteriology and serology. They should be sent to Dr. Timmermann at 32 Chemin Krieg, Geneva, Switzerland.

In an earlier issue of the News Letter we published a request from Dr. James E. Fuller, University of Massachusetts, for a copy of the out-of-print "Leeuwenhoek Letter". Dr. Fuller has advised us that a copy was secured through the courtesy of Miss Mary Wheeler, New York State Department of Health, who presented the copy to Dr. Fuller's department library in memory of her father who was a student at the University when it was known as the Massachusetts Agricultural College.

NEWS ABOUT OUR MEMBERS

Dr. Alson E. Braley has assumed the position of Professor and Chairman of the Department of Ophthalmology at the State University of Iowa College of Medicine. He formerly held a similar position at the Post-Graduate Medical School of New York University College of Medicine at Bellevue Medical Center, New York City.

Dr. Sara Branham, Laboratory of Biologics Control, National Institutes of Health, was awarded the first Alumni Award for Distinguished Achievement by her alma mater, Wesleyan College in Macon, Georgia. Dr. Branham delivered the Commencement Address at Wesleyan College on June 5.

Dr. Charles M. Carpenter, Professor of Infectious Diseases at the School of Medicine, University of California, Los Angeles, received a special citation for devotion to his alma mater and distinguished service in the field of infectious diseases from the University of Rochester at its Centennial Convocation on June 10.

Drs. I. C. Gunsalus and S. E. Luria, formerly at the University of Indiana, will join the Department of Bacteriology of the University of Illinois in September as Professor and Research Professor, respectively.

Dr. Howard J. Shaughnessy, Director of the Division of Laboratories, Illinois Department of Public Health, has been appointed Professor and Head of the new Department of Public Health of the College of Medicine, University of Illinois. Dr. Shaughnessy's time will be divided between the university and the state laboratories.

In three universities this year awards consisting of membership in the Society of American Bacteriologists were made to outstanding students in bacteriology. The recipients of the awards were:

Walter A. Konetzka, senior at the University of Maryland, who received an annual award given by Sigma Alpha Omicron, undergraduate organization in bacteriology.

Richard G. Malsburger, graduate student at Lehigh University, who received the first annual A. Parker Hitchens award.

Howard Cravetz, senior at the Philadelphia College of Pharmacy, who received the annual Mildred Wasserman award.

Dr. Roger W. Reed, formerly of the Montreal General Hospital, Montreal, Quebec, has been appointed Associate Professor of Bacteriology at Dalhousie University Medical School and Associate Provincial Bacteriologist of Nova Scotia.

DEATHS

The Secretary-Treasurer regrets to announce the death of the following members of the Society:

Dr. William E. Berg, of New York City, an Emeritus Member of the Society.

Dr. Aloides Godoy, of Rio de Janeiro, Brazil.

Dr. E. A. Logan, of St. Joseph, Missouri.

Dr. Frederick Smith, of McGill University, Montreal.

Dr. Charles A. Behrens, of Purdue University, West Lafayette, Indiana.

MEETINGS OF LOCAL BRANCHES

Southern California Branch (William D. Rosenfeld, Secretary-Treasurer)

April 6, 1950. University of Southern California, Los Angeles.

1. Functions and activities of the State livestock and poultry diagnostic laboratory, by E. E. Jones, Livestock and Poultry Pathology Laboratory, California Department of Agriculture, San Gabriel.
2. A differential staining method for the demonstration of bacterial cell division, by J. W. Bartholomew, Mary Ann Roberts and Ted Mittwer, Department of Bacteriology, University of Southern California, Los Angeles.

June 8, 1950. University of California, Los Angeles.

1. Type specificity and antibacterial immunity to diphtheria, by Martin Frobisher, Jr., Communicable Disease Center, U.S. Public Health Service, Chamblee, Georgia.
2. Motion pictures produced by the Communicable Disease Center:
 - a) Animal tests for the virulence of C. diphtheriae.
 - b) The in vitro test for the virulence of C. diphtheriae.

Connecticut Valley Branch (D. Evelyn West, Secretary-Treasurer)

April 21, 1950. Wesleyan University, Middletown, Connecticut.

1. The effect of an antihistamine drug on demonstrable antibody formation, by Walter L. Kulp and Stanley E. Wedberg, University of Connecticut, Storrs.
2. Electron microscopy of replicated materials, by Morris Rhian, Yale University School of Medicine, New Haven.
3. Auxotrophic mutations in Salmonella typhimurium following radiation and penicillin screening, by Harold H. Plough and Helen N. Young, Amherst College, Amherst, Mass.
4. Nutritional aspects of bacterial toxin production, by J. Howard Mueller, Harvard Medical School, Boston, Mass.

Society of Illinois Bacteriologists (Leslie R. Hedrick, Secretary-Treasurer)

Winter Meeting, January 20, 1950. Museum of Science and Industry, Chicago.

1. Mouse pathogenicity as a diagnostic aid in the identification of Actinomyces bovis, by Esther Meyer and Peter Verges, Department of Bacteriology, University of Illinois, Chicago.
2. Evaluation of different strains of mice, rats and golden hamsters in supplementing the direct examination of brain tissue for Negri bodies, by Nathan Nagle, Illinois Department of Public Health, Carbondale.
3. Further studies of tetanus prophylaxis with penicillin, by W. I. Taylor and M. Novak, Department of Bacteriology, University of Illinois, Chicago.
4. The failure of ammonium ions to inhibit the growth of oral lactobacilli, by W. F. Kirshner and H. C. Douglas, Northwestern University School of Medicine. (Work done at University of Washington, Seattle).
5. Poultry as a source of human salmonellosis, by O. Felsenfeld, V. M. Young and T. Yoshimura, Hektoen Institute for Medical Research, Cook County Hospital, Chicago.
6. The determination of the purity of serological systems by a new technique, by J. Munoz and E. L. Becker, Department of Bacteriology, University of Illinois School of Medicine, Chicago.

7. Hypotensive action of the influenza virus on the mammalian host, by J. E. Kemp and Hsioh-Teh Chang, Department of Bacteriology, University of Illinois, Chicago.
 8. The use of ethylene oxide in the decontamination of hospital equipment, by Saul Kaye with the technical assistance of Anne C. Adams, Department of Medicine, University of Chicago, Chicago.
 9. The problem of virus reproduction as illustrated by the bacteriophage, by S. E. Luria, Department of Bacteriology, University of Indiana, Bloomington.
- Spring Meeting, April 28, 1950. Museum of Science and Industry, Chicago.
1. Vitamin requirements of dwarf colony variants of bacteria, by Eugene D. Weinberg, Department of Bacteriology, University of Chicago, Chicago.
 2. Some properties of the amylase enzyme formed by Clostridium acetobutylicum, by D. Scott and L. R. Hedrick, Biology Department, Illinois Institute of Technology, Chicago.
 3. Streptomycin therapy of experimental tuberculosis in vaccinated and non-vaccinated guinea pigs, by Betty Spaeth Denton and Milan Novak, College of Medicine, University of Illinois, Chicago.
 4. Studies on the life cycle of the tubercle bacillus by means of the shadow casting by the electron microscope, by S. R. Rosenthal, College of Medicine, University of Illinois, Chicago.
 5. Amebiasis in Cook County, by W. H. Shlaes, W. M. Young, O. Felsenfeld and F. Steigman, Hektoen Institute for Medical Research, Cook County Hospital, Chicago.
 6. Effect of x-radiation on enteric cholera and coproantibody response in the guinea pig, by William Burrows, Department of Bacteriology, University of Chicago, Chicago.
 7. The effect of whole body irradiation on the susceptibility of mice to infection with influenza virus, by E. Bontler and H. Gezon, Department of Pediatrics, University of Chicago, Chicago.
 8. Anaphylactic activity of the influenza virus, by D. Z. Silver, Department of Bacteriology, University of Illinois College of Medicine, Chicago.
 9. The behavior of viruses in mixed infections, by G. F. Forster and Esther Carson, Illinois Department of Public Health, Chicago.
 10. The mechanism of the lysis of bacteria by bacteriophage, by J. J. Bronfenbrenner, Department of Bacteriology and Immunology, Washington University School of Medicine, St. Louis.

Indiana Branch (A. R. Stanley, Secretary-Treasurer)

Spring Meeting, March 31, 1950. Indiana University Medical School, Indianapolis.

1. Concerning the bacterial flora of water from sulfur mines before and after treatment to remove sulfides, by L. R. Frederick, Purdue University, and R. L. Starkey, New Jersey Agricultural Experiment Station.
2. Cultivation of fixed rabies virus in embryonated duck eggs, by H. M. Powell and C. G. Culbertson, Lilly Research Laboratories.
3. The nature and the formation of antibodies, by Felix Haurowitz, Indiana University.
4. Motion picture film on the organization and operation of the Riley Hospital for Children.

Maryland Branch (R. A. Allgeier, Secretary-Treasurer)

March 24, 1950. School of Hygiene and Public Health, Johns Hopkins University, Baltimore.

1. An extension of the pure culture concept through the use of germ-free animals, by James A. Reyniers, Laboratories of Bacteriology, Notre Dame University, South Bend, Indiana.

April 15, 1950. Camp Detrick, Frederick, Maryland.

1. Effect of chemical agents on Coxiella burneti, by John C. Wagner.
2. Control of mold contaminants on solid media by the use of actidione, by G. Briggs Phillips and Everett Hanel, Jr.
3. Motion picture: Phagocytosis, by Pathology Branch, Camp Detrick.
4. Genetics of animal viruses, by Francis B. Gordon.
5. Some aspects of microbial nutrition, by Esmond E. Snell, University of Wisconsin, Madison, Wisconsin.

Michigan and Ohio Branches

Joint Meeting, April 1, 1950. University of Toledo, Toledo, Ohio.

1. Round Table Discussion: Hemagglutination.
2. The differentiation of bacterial species and variations within the species by means of triphenyl tetrazolium chloride in culture medium, by I. Forest Huddleson, Michigan State College.
3. Tissue culture with its relationship to propagation of aphthous fever virus, by H. W. Dunne, Michigan State College.
4. The effect of latent bacteriophages on certain phage types of Salmonella typhosa, by William Ferguson and Ilene Harryman, Michigan State Department of Health.
5. Chloramphenicol (Chloromycetin) fermentation studies, by Julian E. Oyaas, John Ehrlich and Robert M. Smith, Parke-Davis and Company.

Michigan Branch (Elizabeth J. Cope, Secretary-Treasurer)

May 3, 1950. School of Public Health, University of Michigan, Ann Arbor.

1. An extension of the pure culture concept through the use of germ-free animals, by James A. Reyniers Laboratories of Bacteriology, Notre Dame University, South Bend, Indiana.

Eastern Missouri Branch (Eugene W. Elliott, Secretary-Treasurer)

April 25, 1950.

1. Antagonism between a bacterial ketone and guanidine compounds, by L. W. Hedgecock.
2. Terminal oxidation in heterotrophic bacteria as studied by means of isotopic carbon, by Samuel J. Ajl.

Missouri Valley Branch (Carl E. Georgi, Secretary-Treasurer)

April 7-8, 1950. University of Nebraska, Lincoln.

1. The reduction of water percolation through the soil by microorganisms, by T. M. McCalla, Soil Conservation Service Research, U.S.D.A., and University of Nebraska, Lincoln.

2. The isolation of Brucella, by Ruth Burdoff and Charles A. Hunter, Public Health Laboratories, Kansas State Board of Health, Topeka.
3. A comparative study of methods of isolating M. tuberculosis, by Dorothy Gifford, Flora McKinley and Charles A. Hunter, Public Health Laboratories, Kansas State Board of Health, Topeka.
4. Effect of anionic surface active agents upon the metabolism of certain bacteria, by V. Lyle von Riesen, University of Kansas, Lawrence.
5. Bacteriologic studies on margarine, by V. D. Foltz and T. H. Lord, Kansas State College, Manhattan.
6. Investigations attempting to determine the approximate time necessary for microorganisms to penetrate into fresh eggs held under unfavorable conditions (A preliminary report), by W. A. Miller and L. B. Crawford, Kansas State College, Manhattan.
7. The incidence of bacteria in the tonsillar and nasopharyngeal areas showing an inhibitory effect on certain beta hemolytic streptococci (A preliminary report), by E. Van der Smissen and Noble P. Sherwood, University of Kansas, Lawrence.
8. Acetate oxidation by Ashbya gossypii, by M. N. Mickelson and M.M. Schuler, Midwest Research Institute, Kansas City, Missouri.
9. Experience with bacteriological tests of samples from Nebraska water supplies, by L. O. Vese and Robbert Barr, Division of Laboratories, Nebraska State Department of Health, Lincoln.
10. Riboflavin and folic acid production by molds in liquid shake cultures, by Raymond Borchers and George L. Peltier, University of Nebraska, Lincoln.
11. Electron micrographic studies of Bartonella bacilliformis, by Earl M. Fowler, University of Kansas, Lawrence.
12. Blood pressure determination in small laboratory animals: Adaptation of the Hamilton optical manometer (A preliminary report), by J. L. Ott and Nobel P. Sherwood, University of Kansas, Lawrence.
13. An epidemic of typhoid fever in Osawatomie State Hospital, by Charles A. Hunter, Yau Wai Wong, James Wilson, Flora McKinley and Carolyn Collins, Public Health Laboratories, Kansas State Board of Health, Topeka.
14. Laboratory diagnosis: The program of the Communicable Disease Center, by Elberton J. Tiffany, U.S. Public Health Service, Atlanta, Georgia.
15. Thermal enzymes: Apyrase, by Walter Miltzer, L. Constance Tuttle and Carl Georgi, University of Nebraska, Lincoln.
16. Thermal enzymes: aldolase, by T. L. Thompson, Walter Miltzer and Carl Georgi, University of Nebraska, Lincoln.
17. Studies on Newcastle disease virus, by L. D. Bushnell, Kansas State College, Manhattan.
18. Complement fixation with Newcastle disease virus, by H. A. Wenner and Ann Monley, University of Kansas Medical Center, Kansas City.
19. Diagnosis of viral and rickettsial diseases, by Cecilia Jones, Frank Victor and Charles A. Hunter, Public Health Laboratories, Kansas State Board of Health, Topeka.
20. Chemical and physical properties of purified virus preparations, by F. C. Bawden, Department of Plant Pathology, Rothamsted Experiment Station, Harpenden, Herts, England.

Eastern New York Branch (Sophia M. Cohen, Secretary-Treasurer)

Spring Meeting, April 21, 1950. Division of Laboratories and Research, New York State Department of Health, Albany.

1. The determination of the radiation sensitive volume of bacteria, by W. D. Bellamy and E. J. Lawton, Research Laboratories, General Electric Company, Schenectady.
2. In vivo assay of the antiseptic activity of quarternary ammonium compounds, by E. W. Dennis and D. Berberian, Sterling-Winthrop Research Institute, Rensselaer.
3. Demonstration by electron microscopy of two types of flagella-like processes on a single bacterial cell, by Julia M. Coffey and Marion B. Coleman, Division of Laboratories and Research, New York State Department of Health, Albany.
4. Tentative classification of Coxsackie virus into Group A and Group B on the basis of differences in the character of the experimental disease, by Gilbert Dalldorf and Rebecca Gifford, Division of Laboratories and Research, New York State Department of Health, Albany.
5. General activities of the Communicable Disease Centers of the United States Public Health Service, by Beatrice Howitt, Communicable Disease Center, Virus and Rickettsia Section, Montgomery, Alabama.

Central New York Branch (M. W. Jennison, Secretary-Treasurer)

58th Semi-Annual Meeting, April 15, 1950. University of Rochester Medical School, Rochester.

1. Comments on current taxonomic problems, by Robert S. Breed, New York State Agricultural Experiment Station, Geneva.
2. The effects of terramycin upon Pasteurella multocida, by Gene Gorzynski and Erwin Neter, Children's Hospital, Buffalo.
3. The effects of enzyme inhibitors on bacterial gelatinase and pancreatic trypsin as an aid to the diagnosis of cystic fibrosis of the pancreas, by Douglas E. Jehmatone and Erwin Neter, Children's Hospital, Buffalo.
4. The change in the bacterial flora of the upper respiratory tract following penicillin therapy, by Frederick Haffner, Erwin Neter and Mitchell I. Rubin, Children's Hospital, Buffalo.
5. A staining method for estimating cellulose degradation in the presence of mold mycelium, by Melva Derriek, Richard Henderson and M. W. Jennison, Department of Plant Sciences, Syracuse University, Syracuse.
6. Daily variations in oral lactobacillus counts, by Thomas A. Newin, Eastman Dental Dispensary, Rochester.
7. An actinomycete from the advancing dentinal carious lesion, by G. W. Burnett and H. W. Scherp, University of Rochester Medical School, Rochester.
8. Observations on a bacteria-free extract from the meningococcus in the presence of glucose and maltose, by Charlotte Fitting and H. W. Scherp, University of Rochester Medical School, Rochester.
9. Active immunization of mice against experimental infection with Type I meningococci, by H. W. Scherp, University of Rochester Medical School, Rochester.

North Carolina Branch (Mary A. Poston, Secretary-Treasurer)

Spring Meeting, April 1, 1950. Duke University School of Medicine, Durham.

1. The effect of lipase activity or products of such activity upon the growth of certain microorganisms in milk, by Ralph N. Costilow and Marvin L. Speck, Raleigh.
2. A simple method for the determination of susceptibility of bacteria to chloramphenicol, by Angus McLaurin, Jr., Dorothy Tuttle and Parker R. Beamer, Winston-Salem.
3. Clinical interpretation of the Middlebrook-Dubos hemagglutination test, by David T. Smith, Durham.
4. Interrelations of purine, histidine, histamine and other imidazole compounds in bacterial metabolism, by William R. Straughn, Chapel Hill.
5. The splanchnic removal of the pathogenic and of superimposed nonpathogenic organisms from the blood stream of rabbits during fatal bacteremia, by Grace P. Kerby and Samuel P. Martin, Durham.

Northeast Branch (Genevieve Young, Secretary-Treasurer)

March 24, 1950. Simmons College, Boston, Mass.

1. Some observations on the amino acid metabolism of Clostridium tetani, by Edwin M. Lerner, Department of Bacteriology and Immunology, Harvard Medical School, Boston.
2. Thermal amplitude of flagellar antibodies of Enterobacteriaceae as shown by elution techniques, by Charles A. Stuart, Department of Biology, Brown University, Providence, R.I.
3. Resistance of oral bacteria following two years use of a penicillin dentifrice, by Howard E. Lind, Sias Laboratories, Brooks Hospital, and Helmut Zander, Department of Bacteriology, Tufts Dental School, Boston.
4. Quantitative relationships between serum and fecal antibodies, by Marian E. Koshland, Department of Bacteriology and Immunology, Harvard Medical School, Boston.
5. Response to graded doses of diphtheria toxoid in adults, by Geoffrey Edsall, Department of Microbiology, Boston University School of Medicine, Boston.

Northwest Branch (Elizabeth R. Hall, Secretary-Treasurer)

Ninth Meeting, April 28-29, 1950. University of Washington, Seattle, Washington.

1. A human epidemic caused by the Eastern strain of Eastern equine encephalomyelitis virus, by Carl M. Eklund, Rocky Mountain Laboratory.
2. The endogenous respiration of Pseudomonas aeruginosa, by J. J. R. Campbell, University of British Columbia.
3. Some aspects of the physiology and morphology of a rumen spirochete, by Marvin Bryant, Washington State College.
4. The effect of chemotherapeutic agents on staphylococcus infections, by E. C. Berry, Richland, Washington.
5. Morphological dissociation in anasco sporogenous yeasts, by George Connell, Washington State College.
6. Observations on the secondary reactions in the in vitro toxigenicity tests for C. diphtheriae, by Victor J. Freeman, University of Washington.
7. The propagation of the virus of poliomyelitis in cultures of human testicular tissue, by W. M. Smith, V. C. Chambers and C. A. Evans, University of Washington.

8. A reaction of bacterial cells with formaldehyde, by D. E. Pennington, University of Washington.

Eastern Pennsylvania Branch (W. G. Hutchinson, Secretary-Treasurer)

212th Meeting, February 28, 1950. Philadelphia County Medical Society Building, Philadelphia.

1. An improved staining technique for the nuclear chromatin of bacteria, by Andrew G. Smith, Department of Bacteriology, University of Pennsylvania School of Medicine, Philadelphia.
2. Bacterial nuclei as vesicular structures, by Stuart Mudd and Andrew G. Smith, Department of Bacteriology, University of Pennsylvania School of Medicine, Philadelphia.
3. Susceptibility to typhus in the progeny of immune animals, by Florence Fitzpatrick, Department of Virus Research, Medical Research Division, Sharp and Dohme, Glenolden.
4. Sensitivity of freshly isolated bacteria to neomycin, by Carl F. Clancy, Ayer Clinical Laboratory, Pennsylvania Hospital, Philadelphia.

213th Meeting, March 28, 1950.

1. The synthesis of bacterial viruses, by Seymour S. Cohen, Children's Hospital of Philadelphia, Philadelphia.
2. Studies on the propagation of influenza virus, by Werner Henle, Children's Hospital of Philadelphia, Philadelphia.

214th Meeting, April 25, 1950.

1. Biochemical mechanisms of cellulose breakdown by microorganisms, by R. G. H. Siu, Quartermaster General Laboratory, U. S. Army, Philadelphia.
2. Relation of vitamin B12 to methionine synthesis and sulfonamide inhibition in Escherichia coli, by Joseph S. Gots, Department of Bacteriology, University of Pennsylvania School of Medicine, Philadelphia.
3. The stimulation of growth of Lactobacillus arabinosus 17-5 by folic acid decomposition products, by B. E. Koft, M. G. Sevag and E. Steers, Department of Bacteriology, University of Pennsylvania School of Medicine, Philadelphia.
4. Experimental studies on aureomycin, by Morton Klein, Sonia E. Schorr, Sylvia Tashman and Andrew D. Hunt, Jr., Department of Bacteriology, Jefferson Medical College and Children's Hospital of Philadelphia, Philadelphia.

Special Meeting, May 27, 1950. Institute for Cancer Research, Fox Chase.

1. Fungi associated with tumor tissues, by Irene Corey Diller, Department of Chemotherapy, Lankenau Hospital Research Institute and the Institute for Cancer Research.
2. Mycobacterial forms observed in tumors. Further observations on their cultural properties, morphology and pathogenicity for experimental animals, by Virginia Wuerthle-Caspe, Eleanor Alexander-Jackson, Lawrence W. Smith, James Hillier and Ray M. Allen, Bureau of Biological Research, Rutgers University, Commercial Solvents Corporation, and RCA Victor Laboratories, Princeton, N.J.
3. Antagonistic action of certain neurotropic viruses toward two lymphoid tumors of chickens, by George Sharpless, Lederle Laboratories Division, American Cyanamid Company, Pearl River, N.Y.
4. Immunological properties of polysaccharides from Serratia marcescens (B. prodigiosus), by Hugh J. Creech, Department of Chemotherapy, Lankenau Hospital Research Institute and the Institute for Cancer Research.

Rio de Janeiro Branch (Amadeu Cury, Secretary-Treasurer)

May 29, 1950. Brazilian Press Association Building, Rio de Janeiro.

1. Some observations on experimental leptospirosis, by Mario Ferreira dos Santos, Instituto Oswaldo Cruz, Rio de Janeiro.
2. Formation of biotin by Allescheria boydii, by Gilberto G. Villela and Amadeu Cury, Instituto Oswaldo Cruz, Rio de Janeiro.
3. Immunization against tuberculosis in Brazil, by Arlindo de Assis.

South Central Branch (Marion Hood, Secretary-Treasurer)

Spring Meeting, April 15, 1950. Louisiana State University, Baton Rouge.

1. Enterococci and coliform bacteria in oysters, by T. E. Wilson and C. S. McClesky, Department of Bacteriology, Louisiana State University, Baton Rouge.
2. A study of coliforms in milk, by B. F. Walton and Arthur R. Colmer, Department of Bacteriology, Louisiana State University, Baton Rouge.
3. The growth of bacteria in activated carbon water filters, by William L. Owen, Baton Rouge.
4. The effect of toxigenic and nontoxigenic Corynebacterium diphtheriae and diphtheroids on embryonated eggs, by Florence L. Evans, Department of Microbiology, Louisiana State University School of Medicine, New Orleans.
5. A study of the lecithinase activity within the genus Serratia, by Victor Monsour and Arthur R. Colmer, Department of Bacteriology, Louisiana State University, Baton Rouge.

Texas Branch (Joy Barnes Cross, Secretary)

Spring Meeting, April 22, 1950. Baylor Hospital, Dallas.

1. The effect of sodium sulfite and urea derivatives on anti-Rh serum, by Ruth Guy, Sol Haberman and J. M. Hill, Graduate Research Institute, Wm. Buchanan Blood Center, Baylor University Hospital, Dallas.
2. Influence of vitamin B12 on experimental viral infections, by S. Edward Sulkin, G.P. Manire and Rae Allen, Department of Bacteriology, Southwestern Medical School of the University of Texas, Dallas.
3. Further observations on viruses of the Cocksackie group recovered from human stools, by Joyce W. Rowen and J. V. Irons, Texas State Department of Health, Austin.
4. Interference between poliomyelitis virus (Lansing) and the Cocksackie virus, by S. Edward Sulkin and G. P. Manire, Department of Bacteriology, Southwestern Medical School of the University of Texas, Dallas.
5. A discussion of the occurrence of types of influenza in 1950, by Dwight M. Kuhns, Ralph O. Anslow, Evelyn Maraist and Dorothy Shelton, Brooke Army Medical Center, Fort Sam Houston.
6. A method for collection of bacteria, actinomycetes and filamentous fungi from air, by Roland B. Mitchell, Harry W. Dorris, Durward E. Timmons and Dorothy T. Anderson, Department of Aerobiology, Randolph Field.
7. The action of microorganisms of marine origin in trimethylamine oxide and related

compounds, by Leon L. Campbell, Department of Bacteriology, University of Texas, Austin.

8. Some metabolic characteristics of hydrocarbon oxidizing bacteria, by J. B. Davis and H. H. Chase, Field Research Laboratories, Magnolia Petroleum Company, Dallas.
 9. Development of peptone toxicity with aging, by L. Rode, V. T. Schuhardt and Glenda Oglesby, Department of Bacteriology, University of Texas, Austin.
 10. Studies on the growth requirements of Streptobacillus moniliformis, by Morris Dumoff and Carl E. Duffy, Department of Bacteriology and Parasitology, University of Arkansas School of Medicine, Little Rock.
 11. Growth of bacteria in media containing technical pentaerythritol, by G. A. Emerson, Paul L. Ewing and Benjy Brooks, University of Texas Medical Branch, Galveston.
 12. Spore formation in synthetic media, by E. B. Blair, Department of Bacteriology, University of Texas, Austin.
 13. Comparison of heat and chemical resistance in bacterial spores, by F. Davis, Department of Bacteriology, University of Texas, Austin.
 14. Effect of penicillin on the germination of spores of certain Clostridium species, by E. Staten Wynne and Knox Harrell, Department of Plant Sciences, University of Oklahoma, Norman.
 15. Effects of antibiotics and other agents on development of Mycobacterium tuberculosis in the chick embryo, by Joe Nash, William Gambrell, Hershal Tree and Bernice Doucet, University of Texas Medical Branch, Galveston.
 16. In vitro titrations of mycomycin against Mycobacterium tuberculosis, by Martha Wilkerson and D. E. Jenkins, Department of Medicine, Baylor University College of Medicine, Houston.
 17. Antibacterial factor in ticks. II. The role of blood of host animals, by Dorothy M. Whitney, Ludwik Anigstein and Don W. Micks, Department of Preventive Medicine and Public Health, University of Texas Medical Branch, Galveston.
 18. Evidence of seasonal variation in the bacterial flora of the upper respiratory tract, by A. M. Loneragan, C. D. Dukes, Allergy Research Foundation and Department of Bacteriology, Baylor College of Dentistry, Dallas.
 19. Penicillin and streptomycin sensitivity of Gaffkya tetragena strains, by F. S. Mook and E. Staten Wynne, Department of Plant Sciences, University of Oklahoma, Norman.
 20. I. M. Lewis Lecture: Some reminiscences of Hans Zinsser, by Morris F. Shaffer, Tulane University Medical School, New Orleans.
- Washington Branch (Roy C. Dawson, Secretary-Treasurer)
- 174th Meeting, April 25, 1950. Army Medical Center, Washington, D.C.
1. The selective modification of selenite enrichment broth for detecting Salmonella in egg products, by William R. North, Division of Microbiology, Food and Drug Admin.
 2. Elevated body temperature and cryptococcosis in mice, by L. R. Kuhn, Department of Bacteriology, Army Medical Department Research and Graduate School.
 3. The quantitative estimation of Vi antigen, by E. R. Kennedy, Department of Zoology and Bacteriology, Catholic University of America.

NEW MEMBERSSustaining Member:

E. J. Callahan & Company

Baltimore, Md.

New Active Members: (March 9, 1950 through May 9, 1950)

Abdussalam, M., 4 Hospital Road, Peshawar, Pakistan
 Abrahams, Irving, 59-11 Queens Blvd., Woodside, Queens, N. Y.
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 Athanasion, Odysias, Theta Chi Fraternity, Durham, New Hampshire
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 Miller, Stephen J. C., Allegheny Valley Hospital, Tarentum, Pa.
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The first part of the paper discusses the importance of the study of the history of the United States. It is argued that a knowledge of the past is essential for a full understanding of the present. The author then goes on to discuss the various factors that have shaped the development of the United States, including the role of the government, the influence of the economy, and the impact of the culture.

In the second part of the paper, the author examines the role of the government in the development of the United States. It is argued that the government has played a central role in the shaping of the nation, from the early years of settlement to the present day. The author then discusses the various ways in which the government has influenced the development of the country, including through the establishment of laws, the creation of institutions, and the promotion of economic growth.

The third part of the paper discusses the influence of the economy on the development of the United States. It is argued that the economy has been a major factor in the shaping of the nation, from the early years of settlement to the present day. The author then discusses the various ways in which the economy has influenced the development of the country, including through the creation of jobs, the promotion of growth, and the establishment of a stable financial system.

Finally, the author discusses the impact of the culture on the development of the United States. It is argued that the culture has been a major factor in the shaping of the nation, from the early years of settlement to the present day. The author then discusses the various ways in which the culture has influenced the development of the country, including through the establishment of values, the promotion of progress, and the creation of a sense of community.

